

# Validation Metrics -

## Update

### CDM/ISEA Validation Working

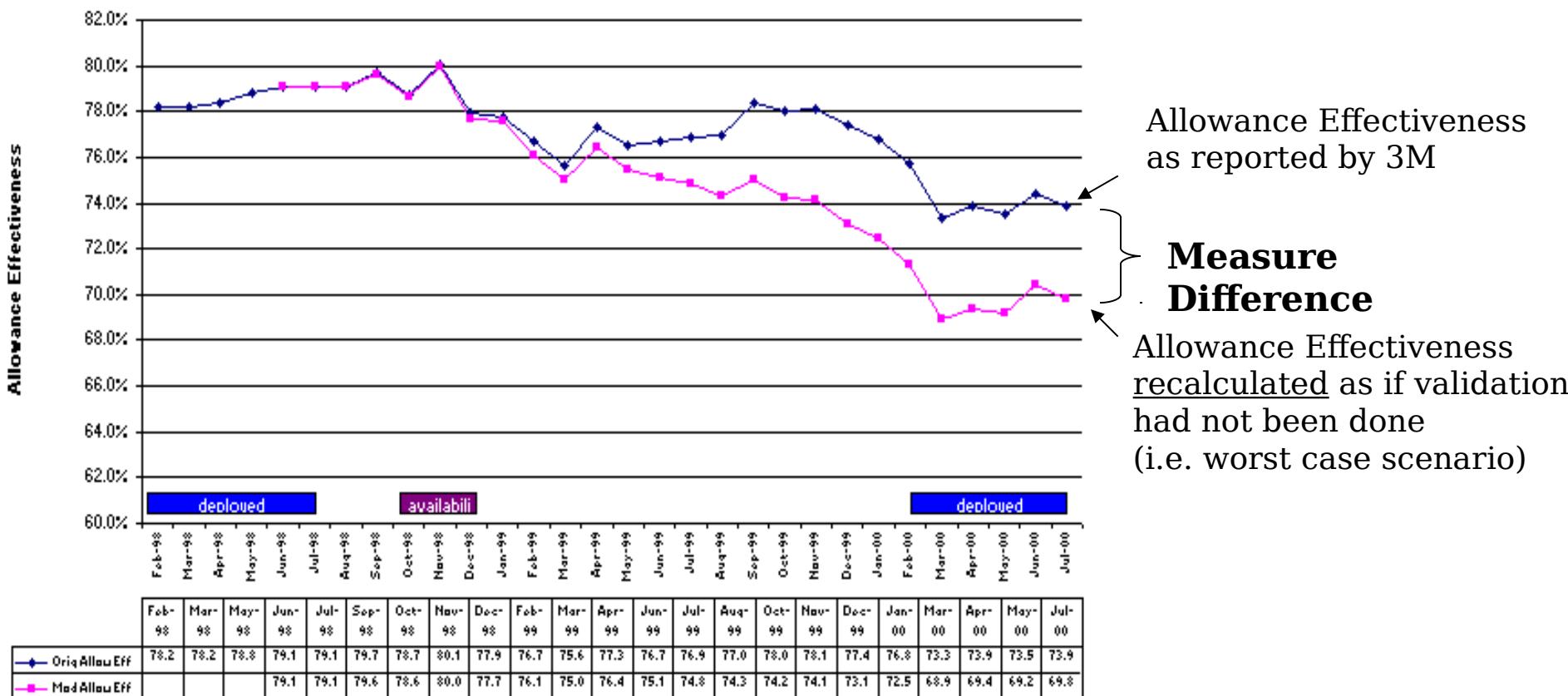
#### Group

#### Aug 2002

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717-605-6176

# Metric: Allowance Effectiveness

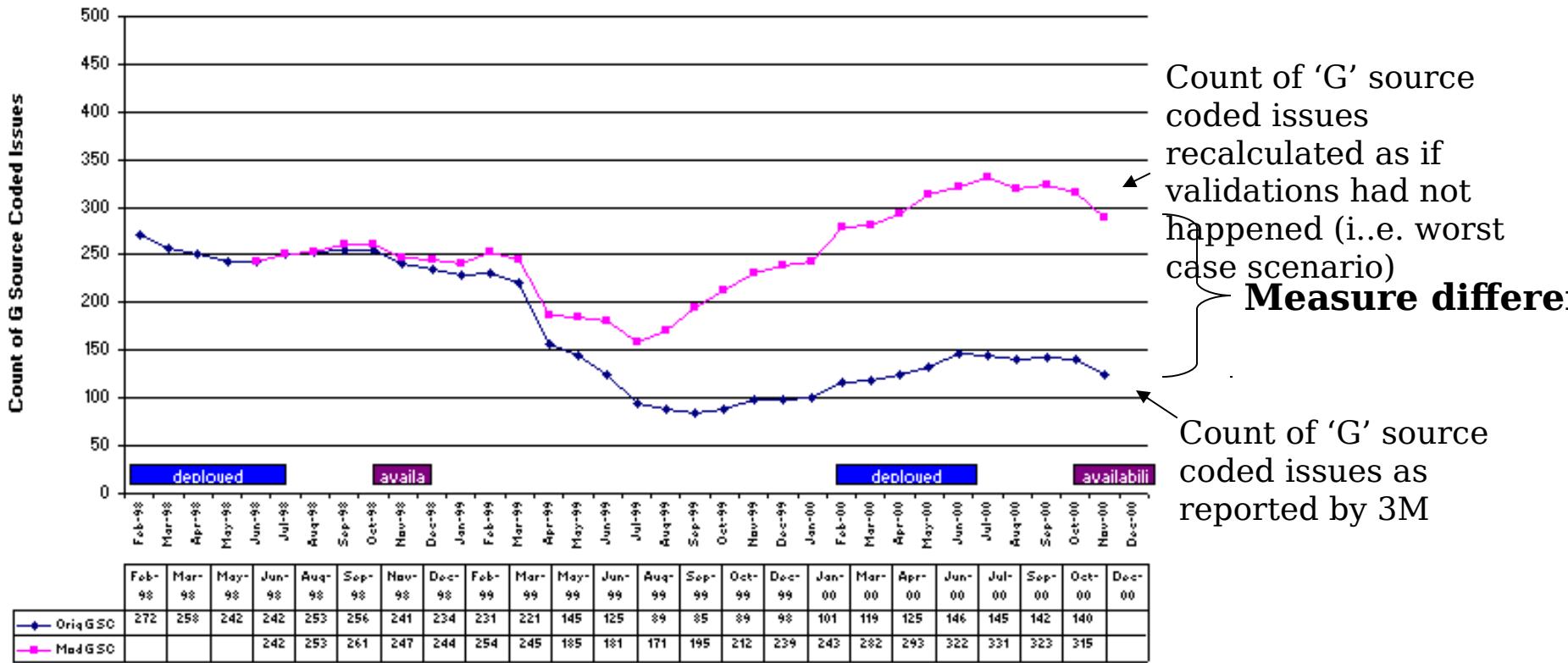
## USS Laboon (DDG 58) Monthly Allowance Effectiveness



- More than 30% of all maintenance on-board a ship is being deferred due to “lack of parts” - why didn’t the ship have the part?
- Allowance Effectiveness measures the % of parts that were issued for maintenance that had an allowance in the ship’s SRF in SNAP.
- Configuration accuracy is a key driving factor in maintaining correct allowances on board ship.

# Metric: Count of 'G' Source Coded Issues

USS Laboon (DDG 58)  
G Source Coded Issues



- Definition of a 'G' source code: 'Not Carried' repair part issued for maintenance which is not listed on an APL in the ship's COS file in SNAP.
- Causes for a 'G' source coded issues are configuration inaccuracies and/or provisioning problems

# Metrics

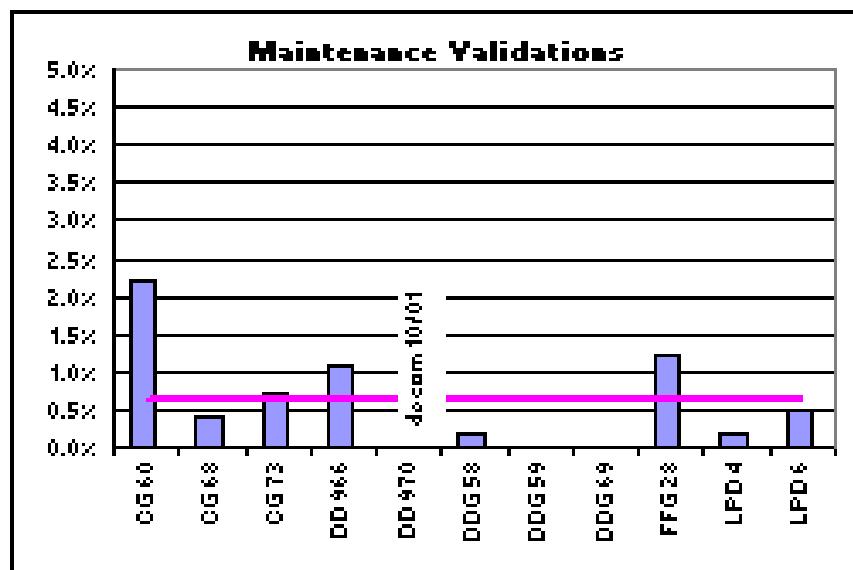
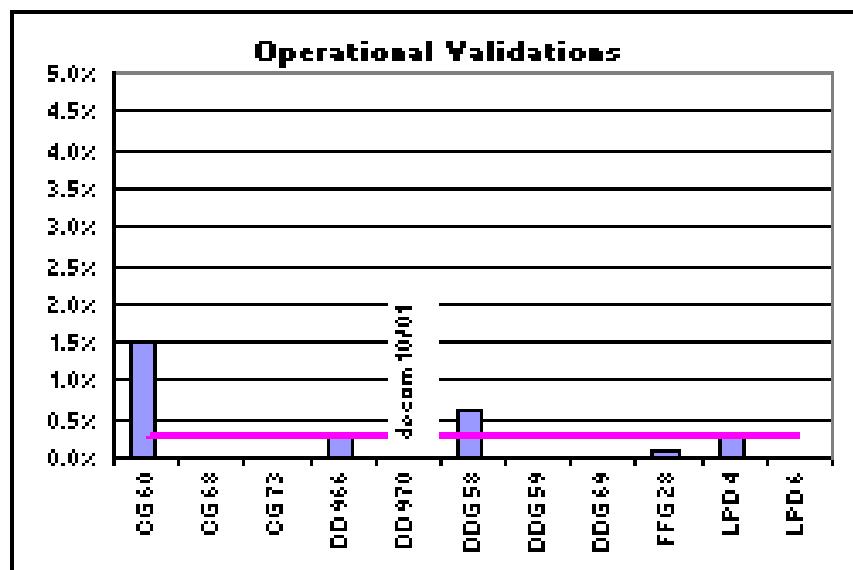
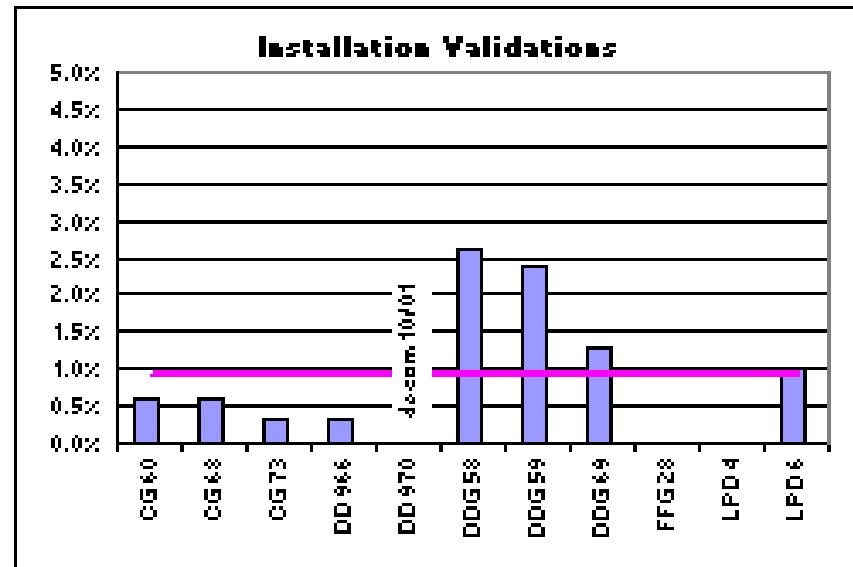
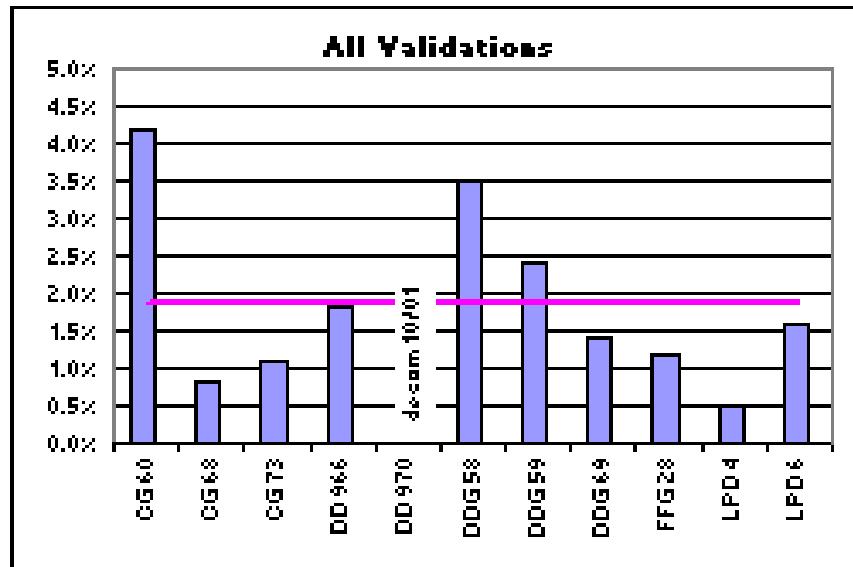
## Status

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### Round 1

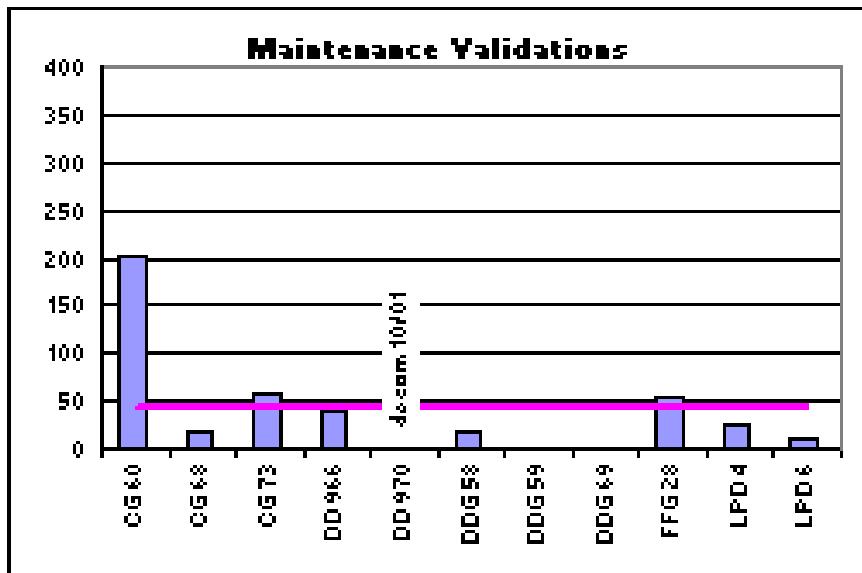
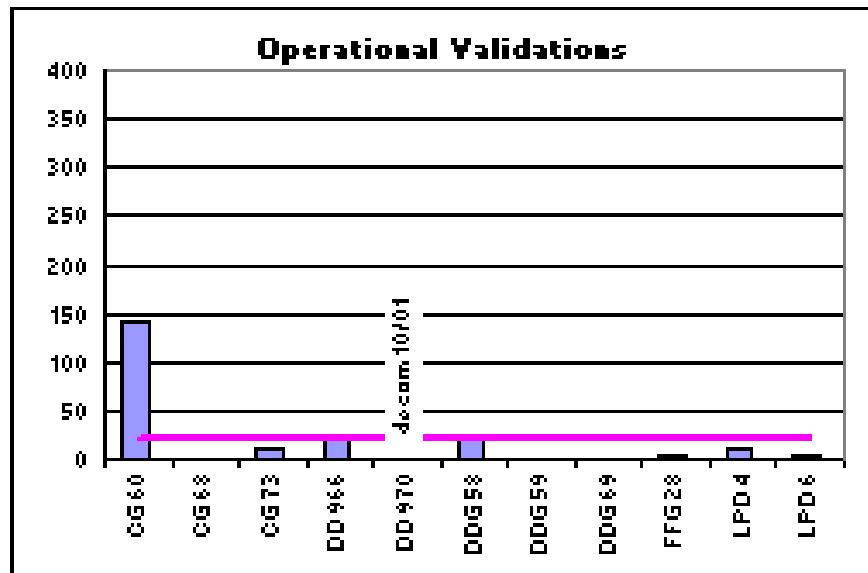
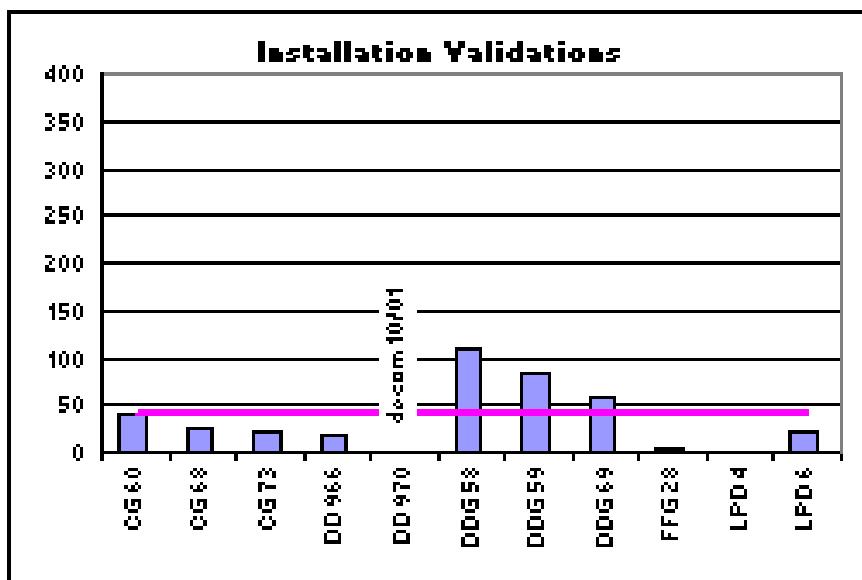
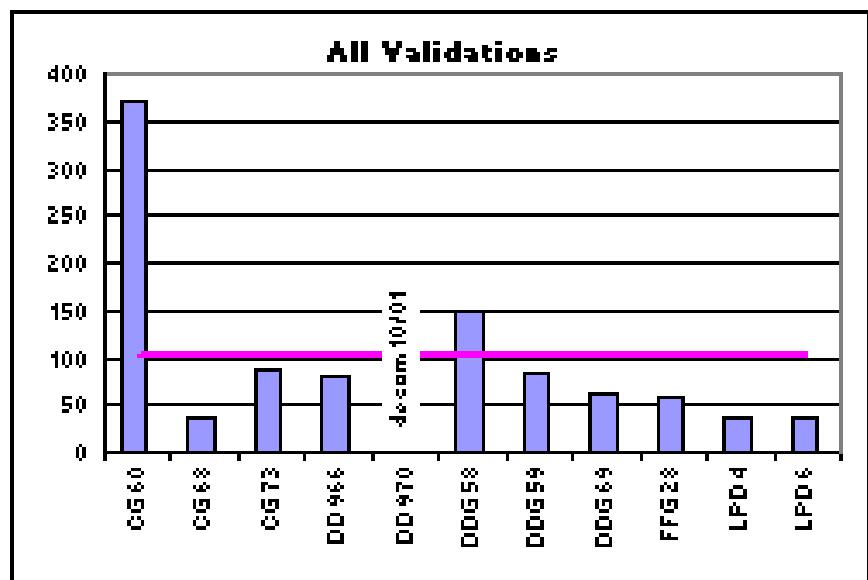
- **Workfiles received; 24 month analysis complete**
  - USS Normandy (CG 60)
  - USS Anzio (CG 68)
  - USS Port Royal (CG 73)
  - USS Hewitt (DD 966)
  - USS Caron (DD 970) - completed 18 mo analysis/decom Oct 01
  - USS Laboon (DDG 58)
  - USS Russell (DDG 59)
  - USS Milius (DDG 69)
  - USS Boone (FFG 28)
  - USS Austin (LPD 4)
  - USS Duluth (LPD 6)
- **Workfiles requested:**
  - USS Tarawa (LHA 1) - NNSY - funding?
  - USS Saipan (LHA 2) - NNSY - funding?
  - USS Ashland (LSD 48) - Boston - workfile parameters forwarded 7/01
- **Workfiles not available:**
  - USS Dallas (SSN 700)

## Improvement in Allowance Effectiveness - 24 Month Measurement



- 24 month average: potential 1.9% increase in All Effectiveness

## Potential G Source Coded Issues Avoided - 24 Month Measurement



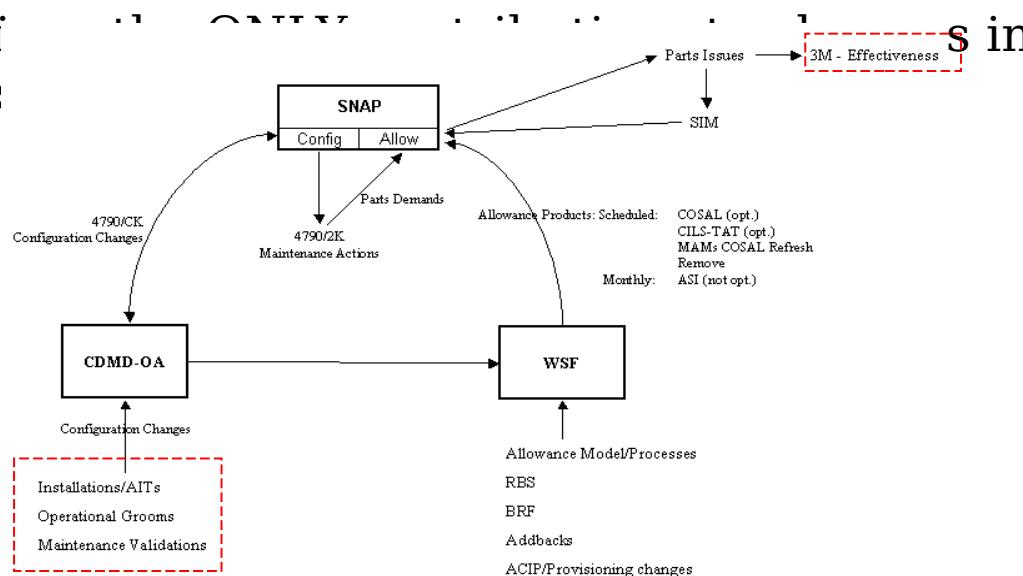
- 24 month average: potential 100 'G' source coded issues avoided

# Preliminary Conclusions:

## What do the metrics tell us?

- Validations DO have some potential impact on effectiveness

- Are validations effective?
  - No . . .



- Is the impact statistically significant?
  - No - minimal changes in measurements were “worst case scenario”.
- Is the amount of time and effort spent validating worth the small ROI?

# Metrics

## Status

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## Round 2

- **Proposal - Apr 02**
  - Re-run metrics with new group of ships
    - RMMCO
    - Standardized SSVA procedures
    - CILS-TAT vs non-CILS-TAT ships
    - NEMAIS Phase A
- **Requested candidates from ILO/FTSC**
  - Ships, representing a variety of ship classes, that have completed availability within past 12 months
  - Identify CILS-TAT/non-CILS-TAT
  - IOLANT - Identify NEMAIS Phase A ships
  - Include USS Saipan (LHA 2) in metrics (request from Mr. Stout)

# Metrics

## Status

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## Round 2

- **Candidate Listings:**

- FTSCPAC Candidates

Ship Name	Hull	UIC	EOA Date	TAT Schedule
USS CORONADO	(AGF 11)	07194	Mar-02	
USS BUNKER HILL	(CG 52)	21345	Nov-01	TAT - Feb 2002
USS SHILOH	(CG 67)	21657	Jun-01	TAT - Aug 2001
USS BENFOLD	(DDG 65)	21940	May-02	TAT - Sep 2002
USS BELLEAU WOOD	(LHA 3)	20633	May-01	TAT - Jul 2001
USS BOXER	(LHD 4)	21808	Apr-02	TAT - Sep 2002
USS DULUTH	(LPD 6)	07177	Nov-01	

- IOLANT Candidates (all are NEMAIS Phase

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Ship Name	Hull	UIC	SOA Date	EOA Date	TAT Schedule	
USS GRAPPLE	(ARS - 53)	21441	3/11/02	6/28/02	TAT - Nov 2002	
USS SAN JACINTO	(CG - 56)	21389	9/24/01	3/13/02	TAT - Aug 2002	
USS ANZIO	(CG - 68)	21658	8/13/01	1/31/02	TAT - Jun 2002	
USS BRISCOE	(DD - 977)	20603	2/14/01	6/8/01		
USS STUMP	(DD - 978)	20604	10/24/01	3/15/02		
USS DEYO	(DD - 989)	20836	9/10/01	12/21/01		
USS ARLEIGH BURKE	(DDG - 51)	21487	10/22/01	4/12/02	TAT - Oct 2002	
USS MITSCHER	(DDG - 57)	21687	8/30/01	1/12/02	TAT - Jul 2002	
USS DONALD COOK	(DDG - 75)	21949	5/1/01	7/13/01		
USS MOUNT WHITNEY	(LCC - 20)	20001	10/10/01	12/31/01		
*	USS SAIPAN	(LHA - 2)	20632	2/12/01	4/1/02	TAT - Sep 2002
	USS NASHVILLE	(LPD - 13)	07196	9/28/01	1/28/02	TAT - Jun 2002
	USS PONCE	(LPD - 15)	07201	3/13/02	5/29/02	TAT - Nov 2002
	USS PORTLAND	(LSD - 37)	20012	11/1/01	2/22/02	
	USS GUNSTON HALL	(LSD - 44)	21422	3/18/02	6/5/02	TAT - Oct 2002
	USS CARTER HALL	(LSD - 50)	21880	2/20/02	5/10/02	TAT - Oct 2002
	USS MONTPELIER	(SSN - 765)	21762	8/13/01	10/13/01	
	USS HAMPTON	(SSN - 767)	21764	1/7/02	3/7/02	TAT - Jun 2002